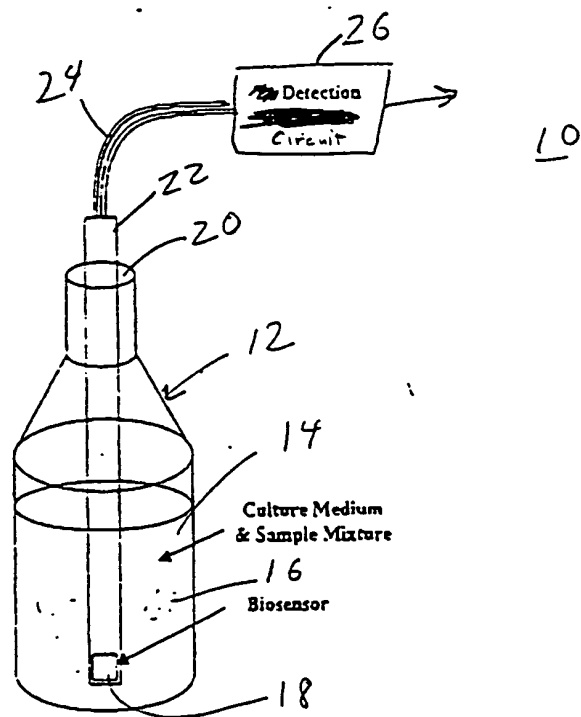


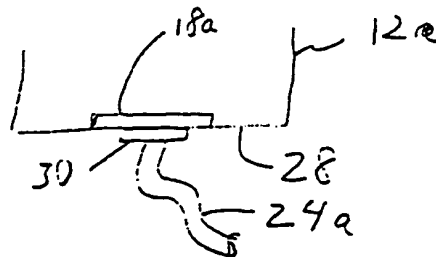
1/8

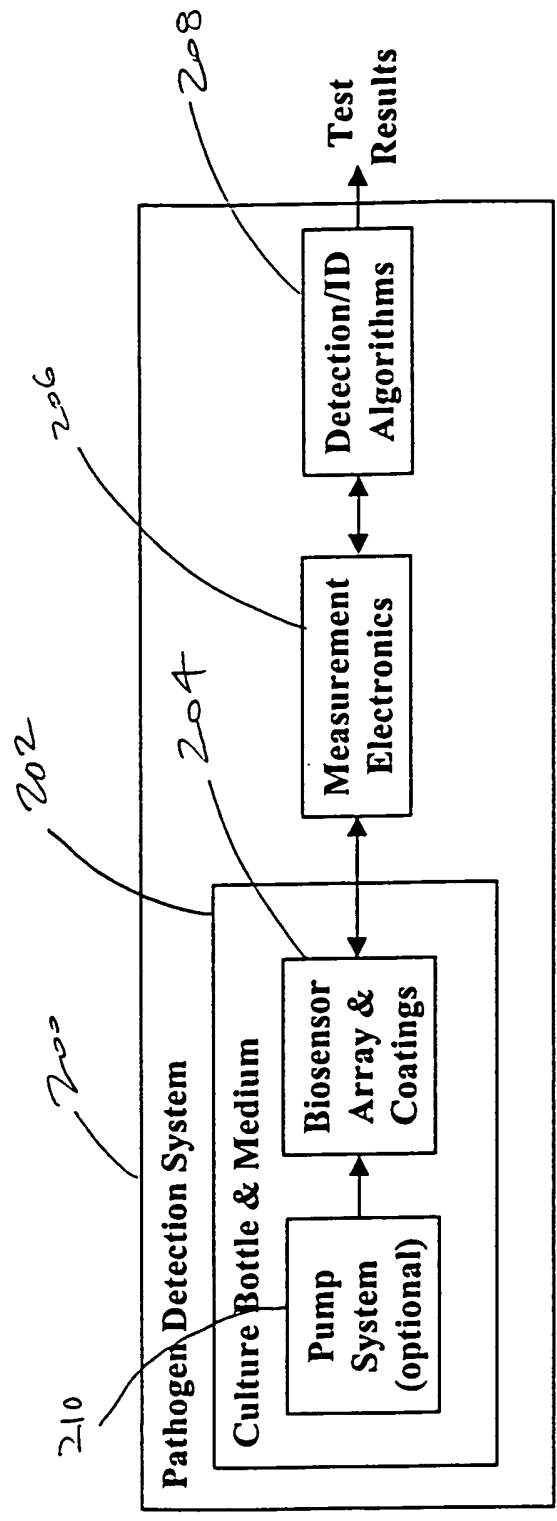


F16.1

Smart Culture Bottle Concept
Figure 1

F16.2





Smart Culture Bottle System Concept

FIG. 1A

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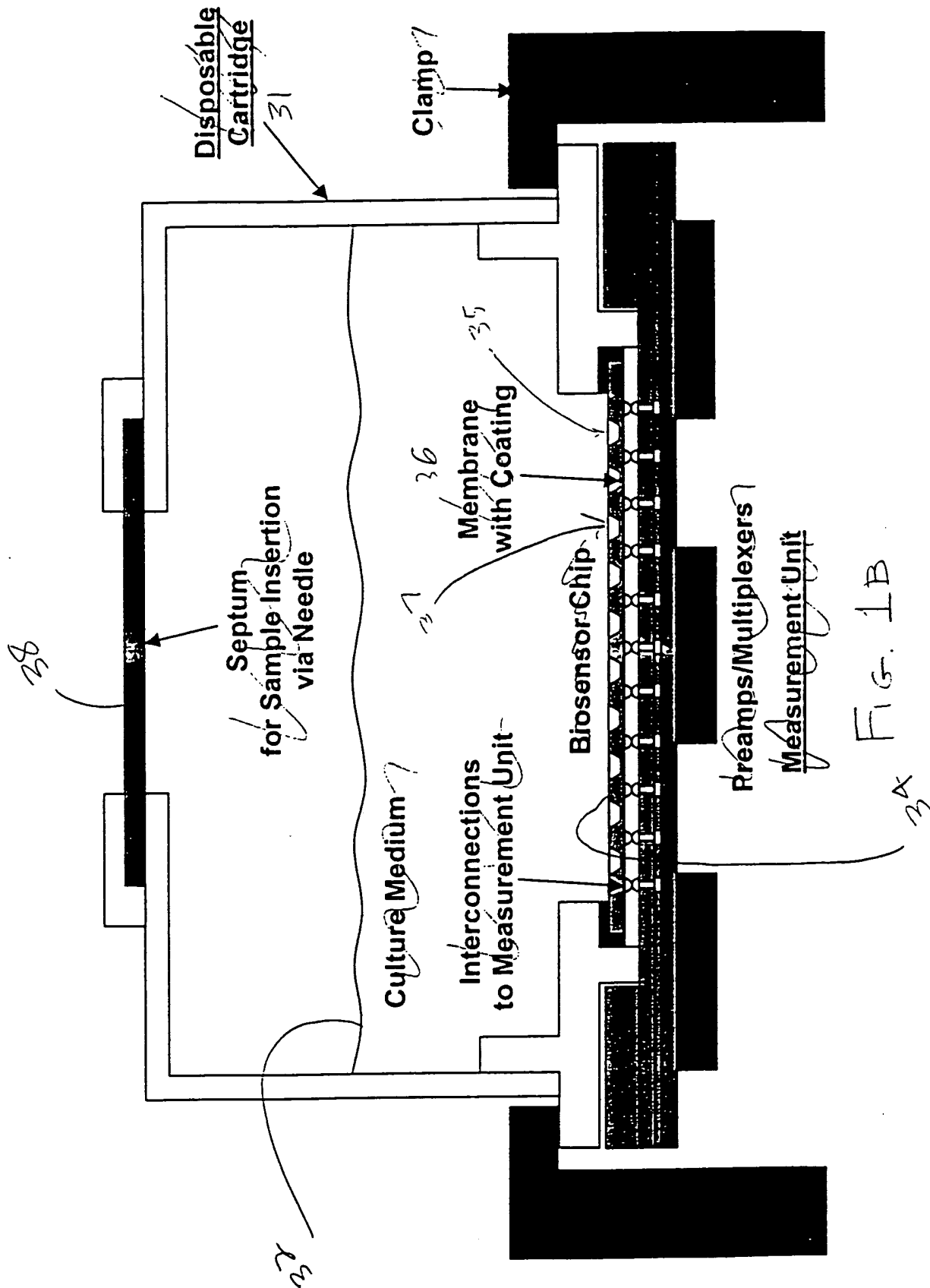


FIG. 1B

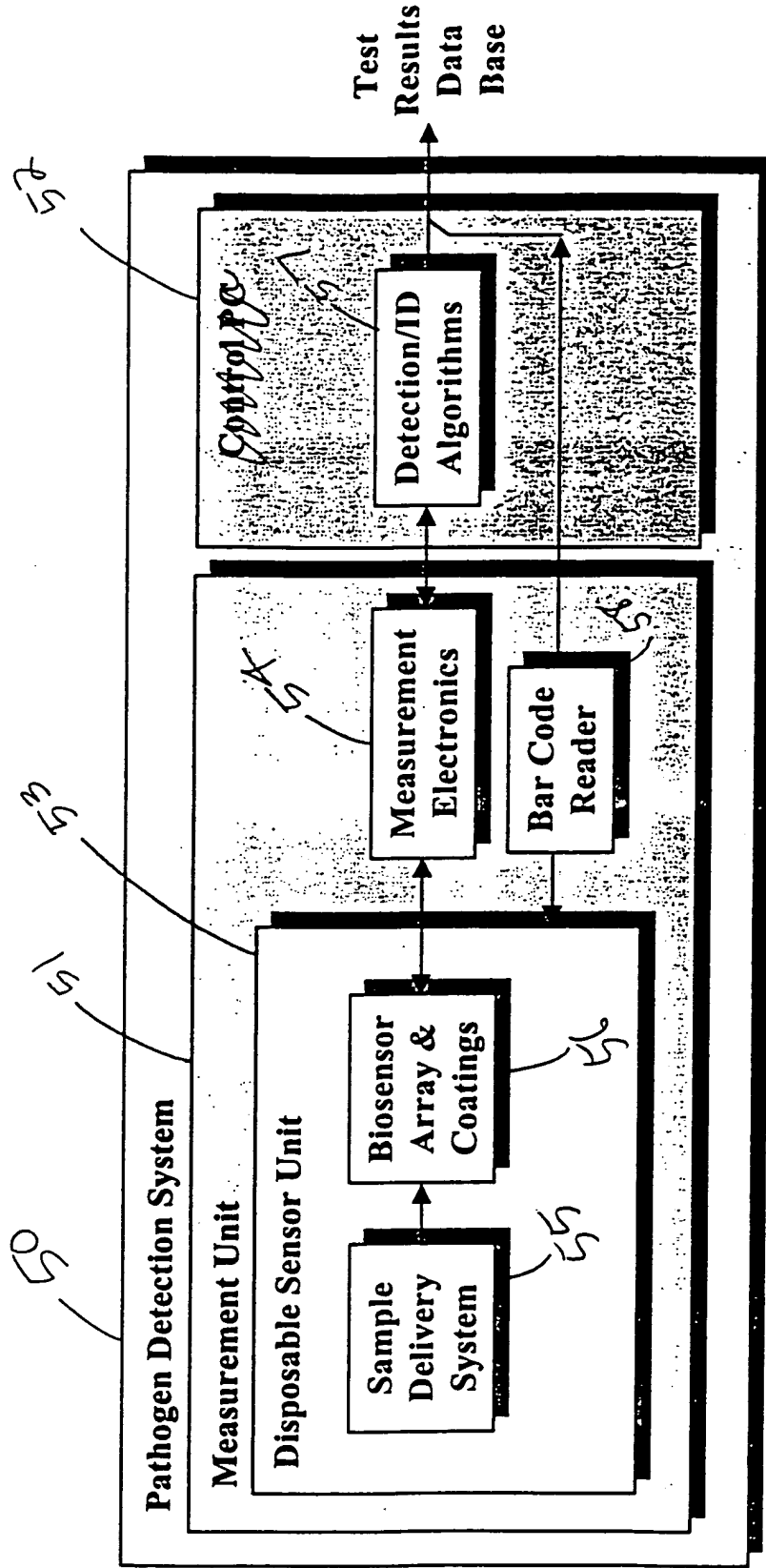
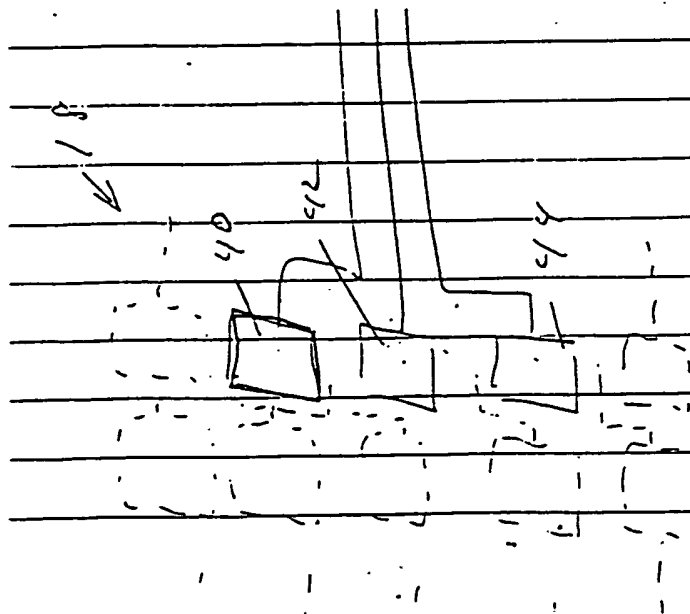
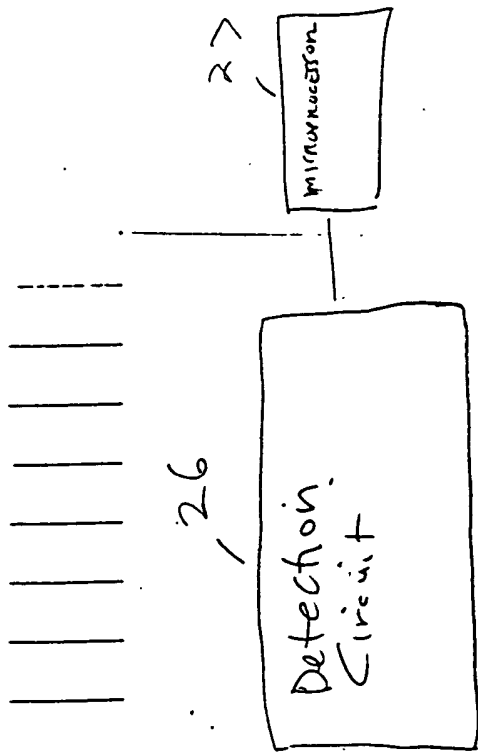


FIG. 1C

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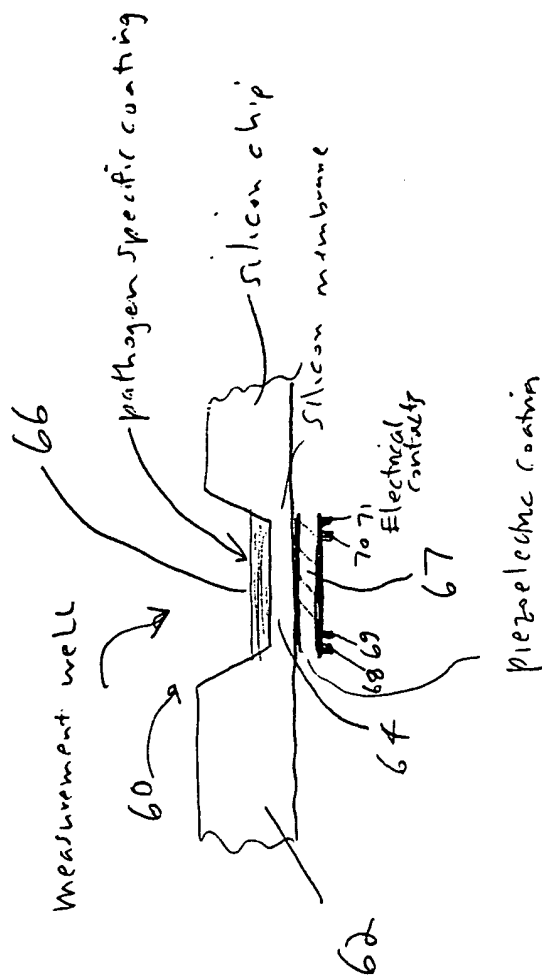
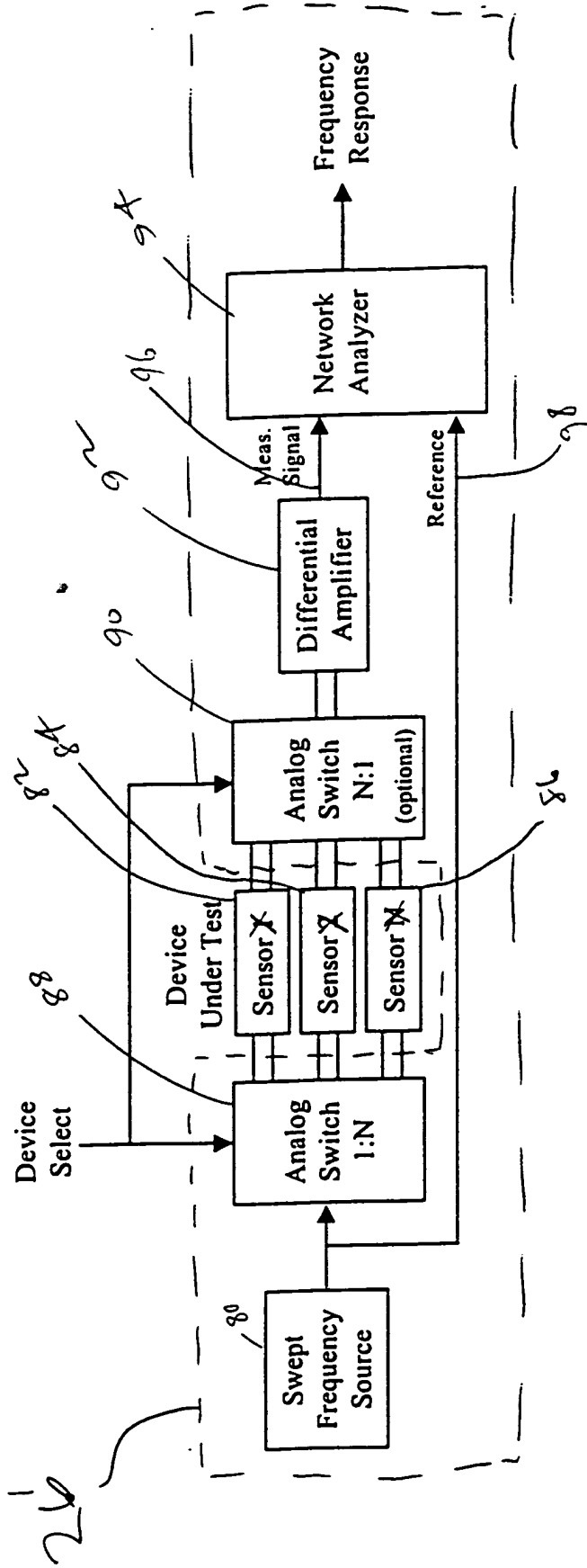
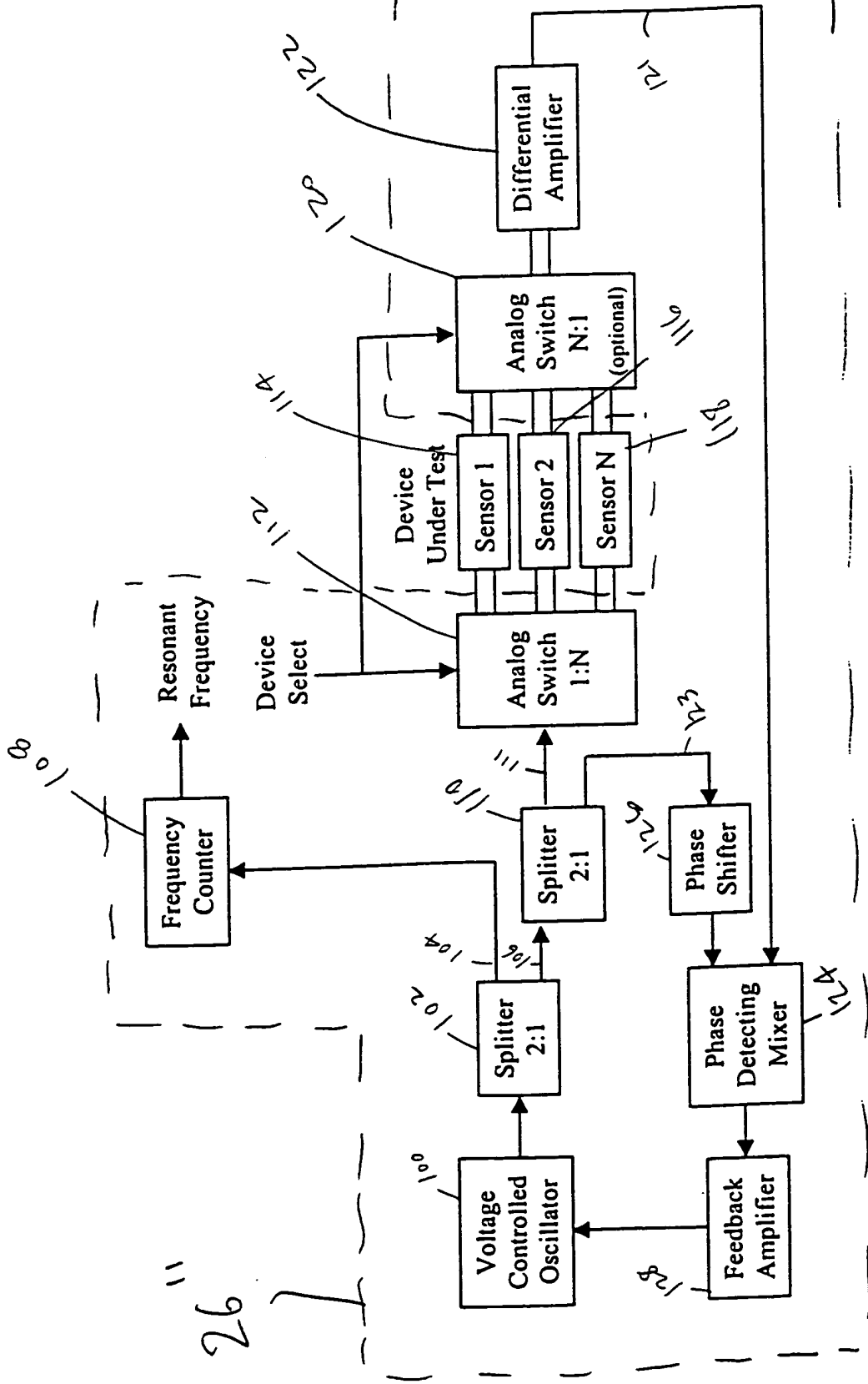


Fig. 4



Open Loop Measurement System

Fig. 5



Closed Loop Frequency Measurement System

Fig. 6